

# Collaborative Science and Adaptive Management Program (CSAMP)

Progress Report to the  
Delta Stewardship Council

Valerie Connor, CAMT Co-Chair  
Leo Winternitz, CAMT Co-Chair

March 28, 2014



# CSAMP and CAMT

*Agency Directors,  
Regional Directors &  
General Managers*

Collaborative Science and Adaptive  
Management Program (CSAMP)  
Policy Group

*Senior Scientists &  
High-Level Managers*

Collaborative Adaptive Management  
Team (CAMT)

# CAMT Mission

The Collaborative Adaptive Management Team (CAMT) will work, with a sense of urgency, to develop a robust science and adaptive management program that will inform both the implementation of the current Biological Opinions, including interim\* operations; and the development of revised Biological Opinions.

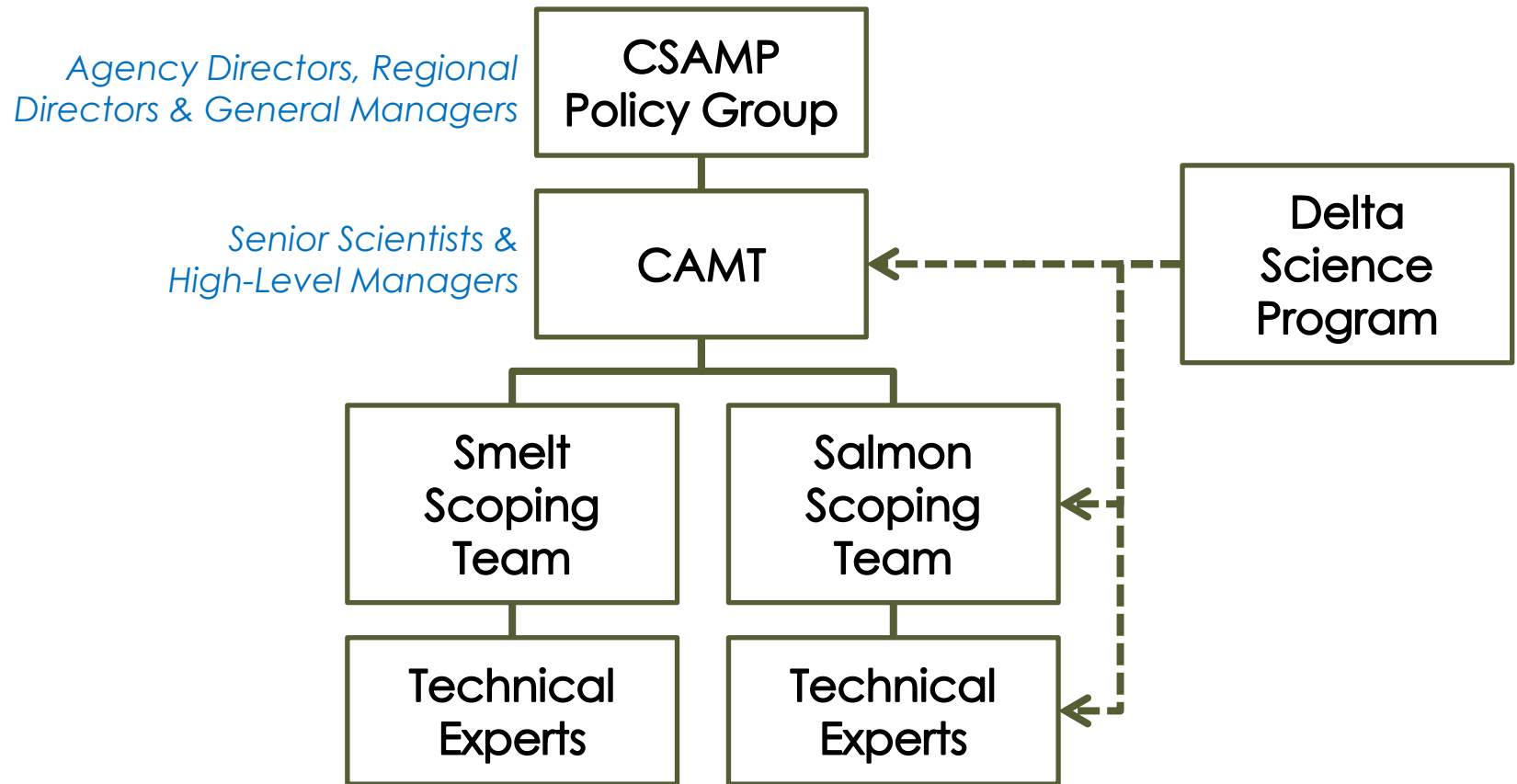
\*The term “interim” refers to the period during which revised Biological Opinions are being developed.

# Court Order (April 9, 2013)

## Section II.B.1.a. **General Description of the CSAMP Process.**

. . . The stated goal of the CSAMP is to “develop a robust science and adaptive management program, with collaboration of the scientists and experts from Public Water Agencies (PWAs) and the NGO community, that will inform the development and implementation of the BiOps, [the Bay Delta Conservation Program (“BDCP”)], and other programs.”

# Structure and Process



# Delta Science Program Assistance

- Under the direction of the Delta Lead Scientist, facilitate the implementation of workplans by:
  - Recommending specific Delta Science Plan mechanisms for credible science
  - Providing guidance on scientific methods and best practices
  - Helping identify technical expertise to scope, design, and carry out scientific investigations
  - Managing and implementing independent reviews of science proposals, study plans, and results

# CSAMP Policy Group

- ▣ Jim Beck (KCWA)
- ▣ Thomas Birmingham (Westlands)
- ▣ Chuck Bonham (CDFW)
- ▣ Mark Cowin (DWR)
- ▣ Zeke Grader (GGSA)
- ▣ Ren Lohofener (FWS)
- ▣ Jeffrey Kightlinger (MWD)
- ▣ David Murillo (USBR)
- ▣ Dick Pool (Water4Fish)
- ▣ Kate Poole (NRDC)
- ▣ Will Stelle (NOAA)
- ▣ Bill Phillimore (Coalition for a Sustainable Delta)
- ▣ Jay Ziegler (TNC)

# CAMT Members

- Gary Bobker (Bay Institute)
- Frances Brewster (SCVWD)
- Mike Chotkowski (FWS)
- Valerie Connor (SFCWA and Co-Chair)
- Susan Fry (USBR)
- Lauren Hastings (DSC Delta Science Program)
- Steve Lindley (NOAA)
- Laura King Moon (DWR)
- Ron Milligan (USBR)
- Anke Mueller-Solger (Delta Stewardship Council IEP)
- Maria Rea (NOAA)
- Carl Wilcox (CDFW)
- Leo Winternitz (Co-Chair)



# CSAMP Phases

Phase	Duration	Start	Finish
1. Initial Extension	9 Months	Court Order (4/19/13)	Joint Status Report Submittal (2/15/14)
2. Interim Operations and Completion of Revised BiOps	2 Years (Smelt) 5 Years (Salmon)	Court decision(s) on further extensions and appeals	Completion of Revised BiOps
3. Operations according to Revised BiOps	Long-Term	Acceptance of Revised BiOps	On-Going, with collaborative science and adaptive management milestones

# CSAMP/CAMT Phase 1 Schedule

Activity	Dates
Define mission and operating procedures	Summer 2013
Define CSAMP priorities	Summer 2013
Review conceptual models	Fall 2013
Develop key questions and hypotheses	Fall 2013
Develop CSAMP workplans for 2014 – 2015	December 2013
Prepare CAMT Progress Report	February 2014
Submit Joint Status Report to Court	February 15, 2014
Submit Agency Response to Court	February 28, 2014

# Phase 1 Accomplishments

- Prioritized areas of focus
  - Fall Outflow for Delta Smelt
  - OMR Management and Entrainment
  - South Delta Salmonid Survival
  - (Ecosystem Restoration Effectiveness)
- Compared conceptual models
- Identified key questions and hypotheses
- Developed initial 2014 workplans

# Extension Granted

“Because the Court believes substantial progress has been made thus far, a further one year extension will be granted.”

*(United States District Judge Lawrence J. O'Neill, March 4, 2014)*

# Comments on Phase 2

- ▣ Very ambitious schedule
- ▣ Identifying scopes, staff and resources
- ▣ Refining the process
  - Credibility
  - Legitimacy
  - Relevance
- ▣ Strengthening communications
- ▣ Reinforcing and building collaboration

# Key Dates and Schedule

Activity	Dates
Monthly CAMT Meetings	Every 3 <sup>rd</sup> Tuesday
Monthly Policy Group Updates	Every 4 <sup>th</sup> Thursday
Interim Joint Status Reports	June 16, 2014 October 14, 2014
Annual Joint Status Report	February 14, 2015
Completion of Scoping Team Study Guidelines	April 30, 2014 through December 31, 2014
Completion of Analyses and Draft Reports	August 31, 2014 through November 2, 2015

CAMT reports, agendas, minutes and notes are posted at [SFCWA.org](http://SFCWA.org)

Thank you!